

ABSTRACT

The binding reaction between an affinity substance to be measured and a binding partner having binding affinity for the affinity substance is measured based on agglutination reactions. Carrier particles bound to the binding partner are allowed to bind to the affinity substance in an electric field. Evaluation is achieved by counting the level of agglutinated carrier particles using three-dimensional particle information of the particles as an indicator.

The use of three-dimensional information as an indicator enables the presence of a biologically specific reactive substance to be detected or measured in a manner that is more convenient and rapid, and has a higher sensitivity than the conventional measurement methods.